Tech Academy
By Computer Explorers

District 110
Community Education
Waconia • St. Bonifacius • New Germany • Minnetrista • Victoria

Bring a nut free snack & drink to class daily

STEM Summer Camps

Register online: http://www.waconiacommunityed.org
Computer based classes please bring a USB drive the last class.

Java Minecraft Modding
(Grades 3-6) (2021-2022)

In this camp, we will be creating custom armor, items, and blocks. Learn to mod Minecraft using Java and the Forge API and customize your gaming experience. Students will be introduced to coding concepts and learn how to use MCreator. Students should be comfortable with keyboarding and, of course, playing Minecraft! At the end of the class, take home your Mods to share with family and friends.

Bayview Elementary
9am-12pm
Fee: 130.00

Mon-Thur June 7-10
Class Id: SU-156
Room: Media Center

Extreme Robotics: EV3 Battlebots
(Grades 3-7) (2021-2022)

Combining the versatility of the LEGO building system and the Mindstorms EV3 (the most sophisticated micro-computer brick ever made by LEGO), this camp will energize and excite students. Working each day in teams, students will construct fun LEGO models, experiment with programs, and compete in robotic challenges. Robot building, block programming, and teamwork will be part of each day's activities. Final challenges will be centered around hitting targets and a sumo battle.

Bayview Elementary
1pm-4pm
Fee: 130.00

Mon-Thur June 7-10
Class Id: SU-157
Room: Media Center

Extreme Coding: Artificial Intelligence & Augmented Reality
(Grades 3-7) (2021-2022)

Dive into more advanced computer science topics that include artificial intelligence, and augmented reality coding. Computers are getting smarter every day due to advances in machine learning algorithms. Coders can teach computers to recognize faces, play games, and find patterns. In our class, we will create a chatbot, Rock, Paper, Scissors game, and more. We'll then expand our knowledge and code an augmented reality game.

Bayview Elementary
9am-12pm
Fee: 130.00

Mon-Thur June 21-24
Class Id: SU-159
Room: Media Center

Robotic Builders: Battlebots
(Grades 1-5) (2021-2022)

Let the battles begin! Designed by the experts at MIT, LEGO® WeDo Robotics' unique system teaches students about simple machines, engineering, programming, and so much more. In this camp, students may construct a Catapult, Ninja Star, Tank, Battle Axe, Crossbow, and more!

Bayview Elementary
1pm-4pm
Fee: 124.00

Mon-Thur June 21-24
Class Id: SU-160
Room: Media Center

Bayview Elementary
1pm-4pm
Fee: 124.00

Mon-Thur Aug 9-12
Class Id: SU-164
Room: Media Center

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Multiplayer Minecraft: World Builders
(Grades 1-5) (2021-2022)

Unleash your creativity as you work collaboratively! Create a world with others in four unique, themed quadrants. Build different biomes, or base a section on your favorite movie or video game! Meld your quadrants together with bridges, and separate them with moats of water, lava, or even the void! Students will get a copy of the world map to take home and expand on. We will be using the PC/Java Edition of Minecraft.

Bayview Elementary   Mon-Thur July 19-22
9am-12pm   Class Id: SU-161
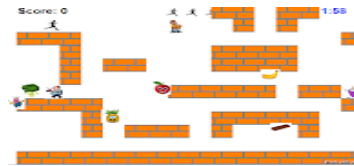Fee: 130.00   Room: Media Center

Intro to Coding: Platform Game
(Grades 1-3) (2021-2022)

Create YOUR OWN VIDEO GAME! New projects! Students as young as five years old can create their platform video games in this cool class! Add challenges and levels of difficulty, then share your game by email or post it on the web to challenge family and friends. Now 5-8-year-olds can practice math, logic, and programming and put their video game talents to work! The game will be in an animated Flash format, viewable in most internet browsers. Bring a jump drive to the last day of class or files can be emailed to parents.

Bayview Elementary   Mon-Thur July 19-22
1pm-4pm   Class Id: SU-162
Fee: 130.00   Room: Media Center

Hogwarts Magical Robotic Builders
(Grades 2-6) (2021-2022)

Journey to the magical world of Harry Potter. Build and program magical theme projects. Young imaginations soar! Students will be taught foundational building and introduced to programming concepts with learning about sensors, motors, and special technics components using the Lego Wedo Systems. Possible projects include Magic Chest, Dragon, Hippogriff, Magic Hat, Magic Carpet, and magical staircase. Please bring a drink & a snack.

Bayview Elementary   Mon-Thur Aug 9-12
9am-12pm   Class Id: SU-163
Fee: 130.00   Room: Media Center

Robotic Builders: Battlebots
(Grades K-3) (2021-2022)

Let the battles begin! Designed by the experts at MIT, LEGO® WeDo Robotics' unique system teaches students about simple machines, engineering, programming, and so much more. In this camp, students may construct a Catapult, Ninja Star, Tank, Battle Axe, Crossbow, and more!

Bayview Elementary   Mon-Thur Aug 9-12
1pm-4pm   Class Id: SU-164
Fee: 124.00   Room: Media Center